

April 10, 2018

Karen Keeley
USEPA Region 10
1200 Sixth Avenue
Suite 900 M/S ECL-122
Seattle, Washington 98101

Re: Midnite Mine Monthly Report – March 2018; Midnite Mine Superfund Site, Spokane Indian Reservation, WA, RD/RA Consent Decree, No. CV-05-020-JLQ

Dear Ms. Keeley:

In accordance with the RD/RA Consent Decree (CD) for the Midnite Mine, the following presents the Monthly Report for March 2018. The requirements for the Monthly Report as specified in the CD and the associated Statement of Work (SOW) are quoted, followed by the required information:

a) *Describe the actions which have been taken toward achieving compliance with this Consent Decree during the prior month:*

- Interim Water Treatment Plant and Surface Water Collection System Operation
 - The WTP discontinued operations on October 31, 2017 for the season. The WTP is scheduled to begin seasonal operation in April 2018. The surface water collection system continued to operate as usual.
- Phase I RD/RA OM&M Plan (including QAPP, HASP)
 - Revision 3 of the Operation, Maintenance and Monitoring (OM&M) Plan was submitted to EPA on January 31, 2014, and incorporates the addition of the Filter Press to the water treatment plant. Comments were received from EPA on May 20, 2014. A revised OM&M Plan and Response to EPA comments was submitted on June 20, 2014.
- Sitewide Monitoring Plan (SMP)
 - The SMP 2017 fourth quarter surface water samples were sampled October 13 - 18. Fourth quarter groundwater samples were sampled October 24 - November 30. The 2017 annual sediment sampling occurred on November 7. The fourth quarter / 2017 annual data transmittal will be submitted within 30 days from receipt of the final laboratory reports, which were received March 8. The first quarter 2018 surface water samples were collected February 5 – 7. First quarter 2018 groundwater samples were collected February 28.
- Residuals Management Plan (RMP) / Sludge Management
 - The updated RMP, Revision 15, was submitted on March 21, 2017. EPA approved this revision on March 21, 2017. On January 29, 2018 a letter notifying EPA that an annual review of the RMP was conducted and it was determined that the current RMP remains appropriate for 2018. Water treatment plant residuals will continue to be managed and

shipped for off-site processing at the Energy Fuels White Mesa Mill as documented in the March 21, 2017, Revision 15, RMP. Therefore, the RMP will not be changed at this time. EPA approved this letter on January 29, 2018.

- On May 20, 2014, Revised SOPs for managing residuals at the WTP were submitted to EPA. Comments were received from EPA on June 12, 2014. Responses to comments and revised SOPs were submitted on June 30, 2014.
- In accordance with the RMP, notification was made to EPA on March 1, 2018 that shipment of sludge to the Energy Fuels facility would begin in April. EPA provided notice on March 1, 2018 that the Energy Fuels facility continues to be acceptable to receive sludge pursuant with the off-site rule. EPA will be notified every 60 days of the intentions to ship sludge so that the off-site rule notification can occur as required.
- As the WTP was not in operation, sludge was not shipped during March.

- Pre-Design Data Needs Report

The following summarizes the open and on-going items related to the Pre-Design Data Needs:

- A Rhoads Borrow Area Plan of Operations was submitted to the Tribe on October 9, 2012. Comments were received from the Tribe on August 26, 2013. Responses to these comments were submitted to the Tribe on September 6, 2013. A Revised Plan of Operations (POO) was submitted to the Tribe on November 12, 2013. On February 24, a resolution from the Spokane Tribal Council was received authorizing use of the Rhoads property with conditions. Additional modifications to the POO including an updated cost estimate were submitted to the Tribe.
- On July 30, 2014, DMC was granted an Administrative Conditional Use Permit (ACUP) with a final decision and determination of non-significance from Stevens County to develop the Rhoads Borrow Area.
- Additional permits from the State of Washington will be required prior to the development of the resources. The first use of borrow material from the Rhoads Borrow Area is scheduled for the summer of 2021. It is anticipated that application for the remaining permits will be submitted before December 2020. These permits include:
 - Forest Practices Act Permit – WA State DNR
 - Mine Reclamation Permit – WA State DNR
 - Storm Water NPDES – EPA
 - 401 Certification – Tribe
- As EPA requested, Midnite Mine Western Drainage Alluvial wells pumping rates, water levels, and the updated version of Figure 1 from the testing plan is included in the monthly report as Attachment 1.
- The fieldwork for Phase I of the Work Plan for Whitetail Creek Sediment Evaluation was completed on August 23, 2013, and the Phase I Data Transmittal Report providing the results and proposed Phase II sampling was submitted on September 6, 2013.

Additional information was provided on September 18, 24, and 27th. Upon discussion of the results with EPA, EPA requested that the scope of work for the Phase II investigations be modified from the Work Plan. EPA provided written comments on September 30, 2013. Additional information was provided to EPA on October 9, 2013, documenting the agreed upon modifications. The Phase II field investigation and sampling was conducted the week of October 14, 2013. The Phase I, Revision 1 Data Transmittal Report, response to EPA comments, and Phase II, Revision 0 Data Transmittal Report were submitted to EPA February 20, 2014. EPA provided comments on the Phase II Report on May 19, 2014. A Revised Phase II report and response to comments was submitted to EPA on June 18, 2014. EPA provided another set of comments on July 24, 2014. A Response to Comments and Revised Phase II report was submitted to EPA on August 25, 2014.

- The final work plan to investigate the old Man Camp well as a possible water supply source was submitted on June 5, 2013. On October 2 and 3, 2013 a new Water Supply Well for the Midnite Mine was located, drilled and completed for possible use as a potable water supply during remedy implementation. The well was developed on October 4, 2013 using air lift for 3 hours. The well produced 4 to 5 gpm during the entire development process without going dry. The pumping tests and water quality analyses were initiated May 20, 2014, and final laboratory data were received in August. The data evaluation report was submitted to EPA on November 21, 2014. It was requested by EPA on December 2 to resample the well for water quality analyses to include total metals, field parameters and general chemistry. The well was resampled on January 8, 2015, and results were received on January 28, 2015. The updated Man Camp well report with the supplemental data was submitted on February 27, 2015.
- A work plan for the installation of the additional monitoring wells requested by the Tribe in the lower portion of Blue Creek was submitted on March 3, 2014. Comments were received from EPA on April 9, 2014. A revised work plan and Response to Comments was submitted to EPA on May 9, 2014. Additional comments were received from EPA on May 16. A Revised work plan, QAPP and response to comments were submitted to EPA on May 29, 2014. EPA approved the work on May 30, 2014. The wells were installed in October. A well completion report was submitted on December 1, 2014.
- Based on a comment received on the 90% design, the Blue Creek – Road Crossing Gamma Scan report was submitted on September 1, 2015 to address the concern that mine waste was used to construct roadway crossing across Blue Creek. A call was held with EPA and their contractor on October 1 to discuss the report. Comments were received from EPA on October 5. Based on these comments, a subsequent field investigation was conducted on October 19 with Tribal representative Fred Kirschner. Responses to the October 5 comments and a revised report including the results of the October 19 field investigation were submitted on November 19, 2015. EPA provided comments on November 24. A revised report was submitted on December 22, 2015.
- The Blue Creek and Delta Assessment Work Plan was submitted to EPA on October 3, 2011. Comments were received from EPA on June 13, 2014. A meeting was held on June 25 to discuss the work. One conclusion of that meeting was that additional work

needed to be done to define or redefine the scope and objectives of the overall Blue Creek contingency as well as the assessment work plan. It was therefore decided that responding to EPA comments and updating the assessment work plan would be premature at this time. A field reconnaissance to determine the approximate location and thickness of sediments in Blue Creek occurred on March 9, 2015. A report with the results of the field reconnaissance was submitted on April 21, 2015. EPA provided comments on the reconnaissance report on June 8, 2015. Responses to those comments and a revised report were submitted on July 7, 2015. Comments on the revised report were received on August 5, 2015. A draft revised report was submitted on September 1, 2015. The final revised report was submitted on September 15, 2015 and the revision was approved by EPA on September 17, 2015.

- Fencing and Signage Plan

→ A request to discontinue fence monitoring during the winter months was made on October 20. This request was approved on October 21, 2017. Fence inspections will recommence in April, 2018.

- Treatability Test Plan (TTP)

→ A Response to the EPA Pilot Scale Study Comments and Revised Report was submitted to EPA on March 7, 2013.

- Interim Water Treatment Plant Modification

→ On February 1, 2013, modifications were made to the previously approved filter press design to change the location of the press. On February 20, 2013, EPA conditionally approved the design of the filter press. On March 25, 2013, a response was submitted to address the conditions in the approval. On April 4, EPA commented on the radon mitigation measures for the filter press building. Responses to those comments and design modifications were submitted on April 9, 2013. On April 15, 2013, the Work Plan, Quality Assurance Plan and the Health and Safety Plan for the construction of the Filter Press were submitted. Comments on these documents were received on May 7, 2013. Revisions to address the comments were submitted on June 6. Construction of the filter press was initiated in July 2013. A pre-final inspection was conducted by EPA contractors on February 19, 2014. The filter press construction was completed in March. A site inspection was conducted by EPA contractor on May 22, 2014. A final inspection report was received on June 13, 2014. A completion report was submitted on July 11, 2014.

- EPA WQX Database

→ There were no data uploaded to WQX database in March. With the receipt of final fourth quarter SMP data in March, the SMP data for third and fourth quarter of 2017 will be uploaded to WQX in April.

- Remedial Design

→ A final submittal of the 100% design was submitted on October 30, 2015. EPA approved the Final 100% design on November 2, 2015.

- The Final Remedial Action Work Plan was submitted on April 30, 2016. EPA approved the RAWP on May 2, 2016.
- As approved by the EPA, the design of the WTP and discharge pipeline was held at the 60% stage pending the ongoing NPDES permitting process. Since the NPDES permit was finalized in November, the design process for these elements has recommenced.
- An Institutional Controls and Implementation and Assurance Plan (ICIAP) was submitted to EPA on May 11, 2012. On September 30, 2013, EPA disapproved the plan and provided comments. A response to comments and revised ICIAP was submitted February 20, 2014.
- On December 10, 2014, EPA submitted a letter outlining additional requirements for determination of wetlands and waters of the US to be in substantive compliance with Section 404 of the Clean Water Act. A meeting was held with EPA on December 18, 2014 to discuss these issues. Preliminary data were submitted via e-mail to EPA to address specific issues outlined in the December 10 letter on January 26, 2015. A more detailed wetlands delineation report was submitted on February 2, 2015. Additional information on the delineation was requested on February 26 and was submitted on March 9, 2015. A conceptual wetlands mitigation plan was submitted on March 16, 2015. A site visit to review wetlands issues occurred on April 14-16, 2015. A revised wetlands delineation report incorporating information from the field trip was submitted on May 8, 2015. A meeting was held on July 16 to further to discuss the anticipated hydrologic conditions in the drainages and wetlands after implementation of the Remedy. EPA provided their field summary on September 18, 2015.

- Remedial Action

The Remedial Action Work Plan (RAWP) specified information that would be submitted in the monthly report relative to the Remedial Action (RA). Each of these items are addressed below.

- Progress made this month

- The RA continued during March 2018. These activities included:
 - Storm water management.
 - Continued dewatering Pit 4.
 - Based on the decision to discontinue construction during the winter months, heavy equipment from the site was demobilized. Only minimal equipment necessary for site maintenance over the winter months remained on site.
 - Ongoing planning for the recommencement of construction activities continued in March. These activities included procurement activities for equipment, supplies and labor. The new construction management process was also finalized. These activities are discussed in the updated RAWP, and associated appendices to the RAWP, which were in the process of being updated in March as discussed in the deliverables section below.

→ Detailed discussions of these activities were included in Weekly reports.

- A request was made on October 20, 2017 to discontinue daily reporting and weekly meetings until construction recommences in the Spring of 2018. That request was approved. The last daily report was submitted on October 27, 2017 and the last weekly meeting was on October 25, 2017. Weekly reports will continue through the winter. Weekly meetings will recommence on April 11, 2018.

- Problems resolved last month

→ There were no problems last month.

- Problem areas and recommended solutions

→ None.

- Deliverables submitted last month.

→ Deliverables associated with the RA in March included the following:

- Weekly Reports.
- A work plan for the evaluation of naturally occurring background concentrations of contaminants of concern in quartz monzonite and Togo schist surface materials at the Midnite Mine was submitted on July 11. Supplemental information, which evaluated the historic background data, was submitted on July 21. A conference call was held on July 27 to discuss the Work Plan. EPA provided written comments on the work plan on August 22. Further discussions occurred with EPA on August 28 and revised work plan was submitted on August 31. EPA provided comments to the plan on September 1. A revision of the work plan was submitted on September 12. EPA provided additional comments on September 12. A revised work plan was submitted on September 14. Additional comments were received on October 11. The work plan was revised on October 12 and EPA approved the plan on October 12, 2017. Field work began on October 16 and was completed on October 27, 2017 and the samples were shipped to the laboratory. Preliminary laboratory test results were forwarded to EPA on February 1, 2018. A data report was submitted on March 19, 2018. EPA requested that the data validation information for this evaluation be submitted. The data validation information was submitted on March 30, 2018.
- A Transformer Removal Plan was submitted to EPA on December 11, 2017. EPA provided comments on December 12, 2017. A revised plan was submitted on December 18 and EPA approved the plan on December 18, 2017. EPA was notified on January 5, 2018 that the transformers had been removed from the power pole and that they did not have labels with dates. The transformer oil was sampled and sent in for analysis in accordance with the work plan. Data indicate that the transformers have low levels of PCBs, between 2 and 50 ppm. An off-site disposal plan is being developed and will be submitted to EPA for approval and to obtain verification that the selected disposal facility is acceptable under the "Off-Site Rule". This plan is scheduled for submittal to EPA in April.

- On March 6, 2018, Newmont sent a letter to EPA outlining the proposed staffing and management changes for the 2018 construction season. This letter stated that Newmont/DMC will provide overall management of the remedial action construction activities and will contract with various organizations to provide labor, support and other specialized construction activities as needed. EPA acknowledged this letter via email on March 7, 2018.
- The Remedial Action Work Plan (RAWP) is being updated to reflect the proposed 2018 construction including the change in remedial action construction management. The main text of the RAWP and some of the appendices to the RAWP require updating. Submittal of each of the components is discussed below.
 - The revised main text of the RAWP was submitted to EPA on March 13, 2018. EPA provided comments on the revised text of the RAWP on March 20, 2018.
 - Appendix D, Emergency Responses Plan, was revised and submitted to EPA on March 30, 2018.
 - Appendix L, Health and Safety Plan, was submitted on March 30, 2018. Section L-1 of the Health and Safety Plan, the Radiation Protection Plan, was submitted to EPA on March 19, 2018. EPA requested that the Radiation Protection Plan, including the SOPs be submitted in red-line format to show the proposed changes. The red-line version was submitted on March 30, 2018.
 - Appendix M, Regulatory Requirements Documentation was revised on February 26, 2018. EPA provided comments to this revision on February 26, 2018. A final draft was submitted on March 6 and approved by EPA on March 6, 2018.
 - An updated Appendix O, Master Stormwater Management Plan including an updated BMP catalog, was submitted on March 16, 2018. The Construction Stormwater Pollution Prevention Plan, Section O-5 of Appendix O, was submitted on March 19. EPA provided comments on March 19. Responses to comments were provided on March 20. EPA provided additional comments on March 22. A revised complete Appendix O was submitted on March 30, 2018.
 - The revised main text and the Field Sampling Plan for the Site Wide Monitoring Plan, Appendix Q, was submitted on March 6, 2018. EPA provided comments on March 6 and indicated that the changes would be acceptable. The QAPP for Appendix Q will be revised to reflect the changes and submitted in April.
 - Appendix X, Schedule, was revised on March 5, 2018. EPA provided comments on March 5. A final version was submitted on March 6 and this was approved by EPA on March 6, 2018.

- The other two appendices that will be modified, Appendix F, Testing and Inspection Plans and Appendix K, Specifications, will be submitted in April.
- The Pit 4 Underdrain Material Placement and Waste Rock Dewatering Installation Work Plan was submitted on March 12, 2018. EPA provided comments to this work plan on March 19. Responses to comments and an updated work plan were submitted on March 23. An additional comment from EPA was received on March 26. A revised work plan was submitted on March 29.
- The Pit 4 Backfill and Dewatering Riser Work Plan was submitted on March 19, 2018. EPA provided comments to this work plan on March 23. Responses to the comments and an updated work plan were submitted on March 30, 2018.
- The 2017 Remedial Action Summary Report was submitted on February 26, 2018.
- The Washington Department of Fish and Wildlife was contacted on February 26, 2018 to update information regarding eagle nests near the proposed construction. Restricted access to areas within ¼ mile of any eagle nest is necessary as documented in Appendix M of the RAWP. The Washington Department of Fish and Wildlife responded on March 28, 2018 that there were no known eagle nests within ¼ mile of the site. The nearest nest in their data base is 3.5 miles away and it is reported that this nest was destroyed in 1998. This information was forwarded to EPA in an email on March 30, 2018.
- Hi-Tech Rockfall Systems was on site on March 20, 2018 to inspect the Pit 4 highwall and the previously installed rockfall protection systems. They concluded that highwall slopes in Pit 4 do not require additional rock scaling and the previously installed rockfall protection measures are in working order. No future rockfall protection activities are required prior to commencing work in 2018. A report documenting this will be submitted to EPA in April.
- Air Monitoring
 - Given that construction activities have ceased for the season, a request was submitted on October 20, 2017 to discontinue air monitoring until construction begins again in the Spring of 2018. EPA approved this request on October 21, 2017.
 - Bison Engineering was on site on March 29 to re-install the air monitoring system for the upcoming 2018 construction season. Air monitoring will recommence in April as construction activities begin.
- Vertical Dewatering Wells
 - There were no issues with the construction or operation of the dewatering wells. Initial construction of the vertical dewatering wells began in August, 2017 and continued through October, 2017. Construction of the vertical dewatering wells will recommence when Pit 4 backfilling recommences in the spring of 2018.

- Alluvial Dewatering Trenches
 - There were no issues with the construction or operation of the Alluvial Dewatering Trenches as construction for these trenches has yet to begin.
- Construction Water
 - Construction water was not utilized as construction activities have been discontinued for the winter months.
- Submittal Register
 - Items included in the submittal register are documented in the weekly reports and are not repeated in this Monthly Report.
- Storm Water Management
 - Implementation of storm water management best management practices (BMPs) continued in March in accordance with the Storm Water Management Plan. There were no storm water issues in March.
- Schedule updates/potential schedule delays
 - It was determined in October, 2017 that construction would be discontinued for the season with the completion of placement of drain gravel in Pit 4. Construction will recommence in the Spring of 2018. An updated schedule, Appendix X of the RAWP, was submitted. More detailed scheduling will be conducted and submitted as part of the weekly reports and in subsequent Monthly reports as construction activities begin in 2018.
- Activities planned for the next month
 - Activities planned for April 2018 include the following:
 - Continue storm water management measures to control storm water during the winter months.
 - Begin 2018 construction activities with mobilization of equipment and personnel.
 - Begin the implementation of the Pit 4 Underdrain Material Placement and Waste Rock Dewatering Installation Work Plan.
 - Finalize the data report for the evaluation of naturally occurring background concentrations of contaminants of concern in quartz monzonite and Togo schist surface materials.
 - Finalize the updating process for the RAWP including relevant appendices. This will include:
 - RAWP Text
 - Appendix D, Emergency Response Plan (and the attached SPCC)
 - Appendix F, Inspection and Testing Plans
 - Appendix K, Specification

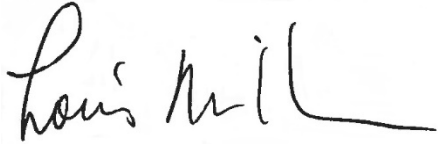
- Appendix L, Health and Safety Plan, including the Radiation Protection Plan
 - Appendix O, Master Stormwater Management Plan, including the Construction Stormwater Pollution Prevention Plan
 - Appendix Q, Site-Wide Monitoring Plan
 - Complete the 2017 Remedial Action Summary Report
 - Submit the 2018 Construction Water Management Plan
 - Summary of confirmation sampling
 - There was no confirmation sampling or reporting in March.
 - Key personnel changes
 - The management changes, including key personnel, for remedial action construction are documented in the RAWP as discussed above.
 - Health and safety issues
 - There were no Health and Safety issues in March.
 - Coordination activities
 - Routine coordination activities between Newmont, CQA/CQC contractors, and various other contractors and EPA occurred in March. Weekly reports documented these activities and other communication with EPA.
 - Estimated percent complete
 - Construction activities were discontinued in October, 2017 for the season. After construction has commenced and a detailed schedule completed, an updated estimated percent completed determination will be made.
 - Project modifications/field adjustments/change orders
 - There were no field adjustments/change orders in March. Modifications to the remedial action construction process are documented in the revised RAWP.
- b) *Include a summary of all results of sampling and tests and all other data received or generated by Settling Defendants or their contractors or agents in the previous month;*
- There were 1.10 inches of precipitation recorded in March at Midnite Mine. The daily weather data output for March, which is collected on site as part of the air monitoring system, is included in Attachment 2. Flow in the Western Drainage was approximately 241 gpm on March 19, 2018 and decreased to approximately 174 gpm on March 31, 2018.
- c) *Identify all plans, reports and other deliverables required by this Consent Decree completed and submitted during the previous month;*
- Submittals associated with the RA are detailed above.

- d) *Describe all actions, including, but not limited to, data collection and implementation of work plans, which are scheduled for the next six weeks and provide other information relating to the progress of construction, including, but not limited to, critical path diagrams, Gantt charts and Pert charts;*
- Work as part of the RA will continue as discussed above.
- e) *Include information regarding percentage of completion, unresolved delays encountered or anticipated that may affect the schedule for implementation of the Work, and a description of efforts made in the previous month to mitigate those delays or anticipated delays;*
- There are no unresolved delays that were encountered that may impact the schedule. Work was suspended during the winter months and will recommence in April. An updated schedule was submitted (Appendix X of the RAWP). Construction progress can be compared to this schedule in the future.
- f) *Include any modifications to the work plans or other schedules that Settling Defendants have proposed to EPA or that have been approved by EPA during the previous month;*
- Modifications to the RAWP, including the schedule and specific work plans, are documented above.
- g) *Describe all activities undertaken pursuant to Paragraph 110 during the previous month and those to be undertaken in the next six weeks;*
- Mr. Ricky Sherwood, the community liaison, continued to receive notifications and updates of construction activities and major mobilization and demobilization activities. Mr. Sherwood also receives the weekly reports. Mr. Sherwood developed a draft Community Engagement Plan on January 16, 2018. He updated this plan on February 21 and EPA provided comments to the plan on February 22, 2018. This plan was discussed during a conference call which was conducted on February 22 with Ricky Sherwood, his supervisor, Monica Tonasket, EPA and representatives of the mining company. A meeting was held on March 15, 2018 to develop further details for the community liaison process. Monthly calls or meetings will be held to further support the community liaison.
 - In addition, an article was submitted to the local newspaper (Rawhide Press) presenting information for the recommencement of remedial action construction activities in April 2018. This article was prepared by Newmont and EPA.

We trust that this information satisfies the Monthly Progress Report requirements of the CD. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,

WORTHINGTON MILLER ENVIRONMENTAL, LLC

A handwritten signature in black ink, appearing to read "Louis Miller", with a long horizontal stroke extending to the right.

Louis Miller
Supervising Contractor

cc: Randy Connolly, Spokane Tribe of Indians
Bill Lyle, Newmont Mining Corporation
Steve Demus, CH2MHILL

ATTACHMENT 1

Western Drainage Alluvial Wells

Date	Pumping Rates PBW-01 (gpm)	Pumping Rates PBW-02 (gpm)	Water Levels ¹ PBW-01 (ft amsl)	PBW-01 Notes	Water Levels ¹ PBW-02 (ft amsl)	PBW-02 Notes
01/03/12	0.88	0.86	2392.33		2386.78	
01/09/12	0.89	0.84	2392.33		2386.78	
01/17/12	0.85	0.81	2393.03		2386.78	
01/23/12	0.86	0.83	2392.42		2386.79	
01/31/12	0.95	0.87	2397.94	pump replaced 1/30/12	2386.80	
02/07/12	0.87	0.8	2392.33		2386.79	
02/13/12	1.0	0.88	2396.21		2386.79	
02/20/12	0.89	0.84	2392.28		2386.79	
02/27/12	0.93	0.84	2392.27		2386.79	
03/05/12	0.89	0.81	2392.28		2386.79	
03/12/12	0.87	0.84	2392.26		2386.80	
03/16/12	0.98	0.91	2392.82		2386.80	
03/19/12	0.99	0.88	2392.41		2386.80	
03/28/12	1.14	0.95	2398.87		2386.79	
04/01/12	1.35	1.05	2398.67		2386.93	
04/07/12	1.25	0.9	2392.28		2386.80	
04/09/12	1.17	0.88	2392.27		2386.79	
04/13/12	1.0	0.87	2392.28		2386.80	
04/17/12	0.96	0.84	2392.28		2386.80	
04/23/12	0.90	0.83	2392.28		2386.79	
05/02/12	0.91	0.84	2392.28		2386.80	
05/11/12	0.90	0.89	2392.28		2386.81	
05/15/12	0.86	0.88	2392.28		2386.82	
05/21/12	0.87	0.78	2392.28		2386.83	
05/29/12	0.85	0.82	2392.28		2386.83	
06/07/12	1.06	1.16	2394.37		2395.53	
06/11/12	0.92	1.11	2392.27		2386.85	
06/19/12	0.92	0.99	2392.27		2386.87	
06/25/12	0.97	0.96	2392.27		2386.85	
07/02/12	0.96	0.94	2392.27		2386.87	
07/09/12	0.95	0.35	2392.27		2386.85	cleaned flow meter
07/16/12	0.93	0.79	2392.27		2386.85	
07/24/12	0.92	0.81	2392.27		2386.88	
07/30/12	0.95	0.8	2392.27		2386.87	
08/06/12	0.88	0.78	2392.27		2386.89	
08/13/12	0.94	0.75	2392.28		2386.91	
08/20/12	0.8	0.56	2392.28		2386.90	installed new pump
08/27/12	0.88	0.97	2392.28		2386.81	
09/03/12	0.91	0.74	2392.28		2386.80	
09/11/12	0.89	1.01	2392.28		2386.83	
09/18/12	0.9	0.77	2392.28		2386.80	
09/24/12	0.89	0.76	2392.29		2386.79	
10/02/12	0.78	0.71	2392.29		2386.80	
10/08/12	0.8	0.75	2392.30		2386.81	
10/15/12	0.91	0.77	2392.30		2386.79	
10/22/12	0.94	0.8	2392.30		2386.81	
10/29/12	0.92	0.8	2392.31		2386.81	
11/05/12	0.92	0.8	2392.31		2386.81	
11/13/12	0.91	0.82	2392.30		2386.82	
11/21/12	0.97	0.88	2392.31		2386.85	
11/26/12	0.89	0.81	2392.31		2386.82	
12/03/12	0.97	0.89	2392.32		2386.84	
12/11/12	0.94	0.84	2392.32		2386.85	
12/17/12	0.98	0.85	2392.32		2386.83	
12/26/12	0.97	0.91	2392.32		2386.85	
12/31/12	0.94	0.89	2392.32		2386.87	
01/08/13	0.95	0.92	2392.27		2386.87	
01/14/13	0.97	0.93	2392.28		2386.88	
01/21/13	0.97	0.94	2392.28		2386.88	
01/28/13	0.98	0.94	2392.28		2386.89	
02/04/13	0.97	0.96	2392.28		2386.90	
02/11/13	1.00	0.94	2392.29		2386.90	
02/18/13	1.04	0.97	2392.30		2386.90	
02/25/13	1.07	0.98	2392.30		2386.90	
03/04/13	1.29	1.11	2398.65	turned up pump to 24 vdc on 3/4/13; then to 26 vdc on 3/5/13	2386.91	
03/11/13	1.4	1.13	2392.30		2386.91	
03/17/13	1.24	0.81	2392.30		2386.91	
03/24/13	1.08	0.79	2392.30		2386.91	
03/30/13	1.0	0.78	2392.30		2386.91	
04/08/13	1.07	1.17	2392.31		2397.38	pump not working; replaced

Western Drainage Alluvial Wells

Date	Pumping Rates PBW-01 (gpm)	Pumping Rates PBW-02 (gpm)	Water Levels ¹ PBW-01 (ft amsl)	PBW-01 Notes	Water Levels ¹ PBW-02 (ft amsl)	PBW-02 Notes
04/15/13	0.94	0.87	2392.29		2386.77	
04/18/13			2392.30			
04/22/13	0.9	0.84	2392.29		2386.79	
04/30/13	0.8	0.84	2392.29		2386.79	
05/06/13	0.81	0.83	2392.29		2386.80	
05/13/13	0.86	0.87	2392.29		2386.80	
05/20/13	0.85	0.82	2392.29		2386.80	
05/28/13	0.83	0.81	2392.29		2386.80	
06/04/13	0.81	0.8	2392.29		2386.80	
06/10/13	0.82	0.78	2392.29		2386.80	
06/17/13	0.82	0.78	2392.29		2386.80	
06/24/13	0.81	0.81	2392.29		2386.80	
07/01/13	0.82	0.76	2392.29		2386.81	
07/08/13	0.83	0.76	2392.29		2386.81	
07/16/13	0.84	0.72	2392.29		2386.83	
07/24/13	0.83	0.64	2392.29		2386.86	
07/29/13	0.83	0.62	2392.29		2386.86	
08/06/13	0.72	0.63	2392.29		2386.90	
08/12/13	0.75	0.76	2392.29		2386.91	
08/20/13	0.86	0.79	2392.29		2386.90	
08/27/13	0.84	1.04	2392.29		2395.47	recovering after power outage
09/02/13	0.82	0.84	2392.29		2386.90	
09/09/13	0.84	0.87	2392.29		2386.90	
09/17/13	0.85	0.85	2392.29		2387.23	
09/23/13	0.83	0.87	2392.29		2386.91	
09/30/13	0.86	0.92	2392.29		2386.78	
10/07/13	0.85	0.89	2392.29		2386.78	
10/15/13	0.83	0.86	2392.29		2386.78	
10/21/13	0.83	0.84	2392.29		2386.78	
10/28/13	0.8	0.84	2392.29		2386.78	
11/04/13	0.83	0.87	2392.29		2386.79	
11/13/13	0.82	0.80	2392.29		2386.78	
11/19/13	0.83	0.78	2392.29		2386.78	
11/25/13	0.87	0.79	2392.27		2386.78	
12/02/13	0.85	0.80	2392.27		2386.78	
12/09/13	0.87	0.81	2392.27		2386.78	
12/16/13	0.86	0.81	2392.27		2386.78	
12/26/13	0.86	0.82	2392.27		2386.78	
12/30/13	0.86	0.81	2392.27		2386.78	
01/06/14	0.82	0.8	2392.27		2386.78	
01/13/14	0.85	0.81	2392.27		2386.78	
01/21/14	0.84	0.8	2392.27		2386.78	
01/28/14	0.84	0.81	2392.27		2386.78	
02/03/14	0.82	0.8	2392.27		2386.78	
02/10/14	0.83	0.79	2392.27		2386.78	
02/17/14	0.96	0.84	2392.28	cleaned flow meter	2386.78	
02/24/14	0.84	0.97	2392.27		2386.78	cleaned flow meter
03/04/14	0.82	0.76	2392.27		2386.78	
03/10/14	1.12	0.93	2392.29		2386.78	
03/17/14	1.00	0.85	2392.29		2386.78	
03/24/14	0.92	0.86	2392.29		2386.77	
03/31/14	0.93	0.85	2392.29		2386.78	
04/07/14	0.91	0.82	2392.27		2386.78	
04/14/14	0.86	0.78	2392.27		2386.78	
04/21/14	0.86	0.82	2392.27		2386.78	
04/28/14	0.89	0.84	2392.28		2386.78	
05/05/14	0.88	0.80	2392.28		2386.78	
05/12/14	0.82	0.77	2392.28		2386.78	
05/19/14	0.82	0.75	2392.29		2386.78	
05/27/14	0.86	0.76	2392.29		2386.78	
06/02/14	0.84	0.72	2392.29		2386.78	
06/09/14	--	0.71	2392.28	flow meter broken	2386.78	
06/16/14	0.8	0.67	2392.28		2386.78	
06/23/14	0.8	0.74	2392.28		2386.78	
06/30/14	0.81	0.68	2392.28		2386.80	
07/08/14	0.8	0.67	2392.28		2386.81	
07/14/14	0.81	0.67	2392.28		2386.83	
07/21/14	0.82	0.67	2392.27		2386.81	
07/28/14	0.8	0.62	2392.28		2386.83	
08/06/14	0.84	1.12	2392.28		2396.07	recovering after power outage
08/11/14	0.8	0.79	2392.28		2386.83	
08/18/14	0.82	0.78	2392.28		2386.83	

Western Drainage Alluvial Wells

Date	Pumping Rates PBW-01 (gpm)	Pumping Rates PBW-02 (gpm)	Water Levels ¹ PBW-01 (ft amsl)	PBW-01 Notes	Water Levels ¹ PBW-02 (ft amsl)	PBW-02 Notes
08/25/14	0.83	0.78	2392.28		2386.84	
09/03/14	0.85	1.23	2392.28		2398.29	pump replaced
09/08/14	0.8	1.12	2392.28		2386.80	cleaned flow meter
09/15/14	0.78	0.89	2392.27		2386.80	
09/22/14	0.79	0.87	2392.27		2386.80	
09/23/14	NM	NM	2392.27		NM	
09/29/14	0.81	0.87	2392.27		2386.80	
10/06/14	0.8	0.83	2392.27		2386.80	
10/13/14	0.78	0.82	2392.28		2386.80	
10/21/14	0.8	0.83	2392.28		2386.80	
10/28/14	0.81	0.85	2392.28		2386.80	
11/03/14	0.79	0.84	2392.28		2386.79	
11/11/14	0.81	0.82	2392.28		2386.79	
11/18/14	0.79	0.79	2392.28		2386.79	
11/24/14	0.79	0.81	2392.28		2386.79	
12/01/14	0.8	0.81	2392.28		2386.79	
12/08/14	0.79	0.8	2392.28		2386.79	
12/17/14	0.79	0.77	2392.29		2386.79	
12/22/14	0.81	0.86	2397.78	turned up pump to 20 vdc to get WL back down	2386.79	
12/29/14	0.8	0.8	2392.29		2386.79	
01/05/15	0.8	0.8	2392.29		2386.79	
01/12/15	0.78	0.77	2392.29		2386.79	
01/19/15	0.86	0.78	2392.29		2386.79	
01/26/15	0.86	0.78	2392.29		2386.79	
02/02/15	0.81	0.74	2392.29		2386.79	
02/10/15	1.09	0.89	2392.30		2386.80	
02/17/15	0.95	0.77	2392.29		2386.79	
02/23/15	0.9	0.75	2392.29		2386.79	
03/02/15	0.88	0.71	2392.29		2386.79	
03/09/15	0.86	0.74	2392.29		2386.79	
03/16/15	1.01	0.79	2397.30		2386.79	
03/23/15	0.9	0.74	2392.29		2386.79	
03/29/15	0.89	0.71	2392.29		2386.79	
04/07/15	0.88	0.73	2392.29		2386.79	
04/13/15	0.86	0.70	2392.29		2386.79	
04/20/15	0.85	0.69	2392.28		2386.79	
04/27/15	0.83	0.67	2392.28		2386.79	
05/04/15	0.83	0.64	2392.28		2386.79	
05/11/15	0.81	0.58	2392.28		2386.79	
05/18/15	0.81	0.62	2392.28		2386.79	
05/26/15	0.82	0.6	2392.27		2386.79	
06/02/15	0.83	0.59	2392.28		2386.79	
06/09/15	0.81	0.58	2392.27		2386.79	
06/16/15	0.80	0.59	2392.27		2386.79	
06/22/15	0.80	0.53	2392.27		2386.79	
06/30/15	0.80	0.52	2392.27		2386.79	
07/06/15	0.79	0.54	2392.27		2386.79	
07/14/15	0.79	0.57	2392.27		2386.79	
07/20/15	0.78	0.58	2392.27		2386.79	
07/27/15	0.78	0.59	2392.27		2386.79	
08/03/15	0.77	0.57	2392.27		2386.79	
08/12/15	0.76	0.56	2392.27		2386.79	
8/17/15*	0.76	0.54	2392.27		2386.79	
09/10/15	0.75	0.58	2392.84		2386.81	
09/14/15	0.75	0.58	2392.27		2386.81	
09/21/15	0.76	0.55	2393.38		2386.81	
09/28/15	0.75	0.61	2392.27		2386.81	
10/05/15	0.80	0.59	2392.25		2386.81	
10/13/15	0.78	0.6	2392.27		2386.81	
10/19/15	0.81	0.77	2392.28		2386.81	
10/26/15	0.81	0.75	2392.86		2386.81	
11/03/15	0.82	0.86	2392.26		2386.81	
11/10/15	0.82	0.80	2392.26		2386.80	
11/16/15	0.82	0.76	2392.25		2386.81	
11/23/15	0.83	0.82	2392.26		2386.80	
11/30/15	0.82	0.79	2392.25		2386.80	
12/07/15	0.89	0.84	2398.40	turned up pump to 20 vdc to get WL back down	2386.81	
12/14/15	1.15	1.04	2401.17	pump 22 vdc	2397.27	circuit breaker feeding pump back well pumps tripped out; fixed problem and reset breaker

Western Drainage Alluvial Wells

Date	Pumping Rates PBW-01 (gpm)	Pumping Rates PBW-02 (gpm)	Water Levels ¹ PBW-01 (ft amsl)	PBW-01 Notes	Water Levels ¹ PBW-02 (ft amsl)	PBW-02 Notes
12/21/15	0.88	0.78	2392.25		2386.81	
12/28/15	0.86	0.79	2392.26		2386.81	
01/04/16	0.87	0.72	2392.26		2386.81	
01/11/16	0.86	0.72	2392.26		2386.81	
01/18/16	1.00	0.82	2393.10		2386.81	
01/25/16	1.46	0.91	2392.29		2386.81	
02/01/16	1.44	0.88	2392.30		2386.81	
02/08/16	1.10	0.8	2392.30		2386.81	
02/15/16	1.06	0.77	2392.30		2386.81	
02/22/16	1.27	0.8	2392.29		2386.81	
02/29/16	1.22	0.75	2392.29		2386.81	
03/07/16	1.24	0.78	2392.29		2386.81	
03/14/16	1.73	0.92	2400.85	turned up pump to 32 vdc to get WL back down pump 30 vdc	2386.87	
03/21/16	1.52	0.81	2392.33		2386.81	
03/30/16	1.58	0.8	2392.31		2386.83	
04/04/16	1.60	0.76	2392.33		2386.82	
04/11/16	1.23	0.71	2392.30		2386.83	
04/18/16	1.09	0.63	2392.29		2386.83	
04/25/16	1.02	0.61	2392.29		2386.83	
05/02/16	0.95	0.58	2392.29		2386.83	
05/09/16	0.86	0.54	2392.28		2386.85	
05/16/16	0.83	0.56	2392.28		2386.85	
05/23/16	0.94	0.55	2392.28		2386.84	
05/31/16	0.82	0.52	2392.29		2386.85	
06/08/16	0.78	0.51	2392.29		2386.87	
06/14/16	0.75	0.51	2392.29		2386.87	
06/20/16	0.68	0.50	2392.29		2386.89	
06/27/16	0.73	0.49	2392.29		2386.89	
07/05/16	0.62	0.49	2392.30		2386.89	
07/11/16	0.70	0.52	2392.31		2386.90	
07/19/16	0.77	0.51	2392.31		2386.90	
07/25/16	0.70	0.51	2392.31		2386.90	
08/01/16	0.76	0.53	2392.31		2386.90	
08/08/16	0.73	0.49	2392.33		2386.90	
08/15/16	0.72	0.53	2392.33		2386.90	
08/23/16	0.70	0.51	2392.33		2386.90	
08/30/16	0.73	0.49	2392.33		2386.90	
09/06/16	0.73	0.48	2392.33		2386.91	
09/13/16	0.76	0.48	2392.33		2386.91	
09/26/16	0.74	0.45	2392.34		2386.91	
10/03/16	0.77	0.42	2392.34		2386.91	
10/10/16	0.77	0.41	2392.36		2386.90	
10/19/16	0.78	0.38	2392.34		2386.90	
10/24/16	0.83	0.34	2392.35		2386.91	
10/31/16	1.02	0.53	2392.35		2386.90	
11/07/16	0.90	0.49	2392.35		2386.91	
11/15/16	0.90	0.51	2392.35		2386.90	
12/01/16	0.92	0.51	2392.35		2386.91	
01/04/17	NM	NM	2392.34		2386.91	
01/06/17	0.82	0.48	NM		NM	
01/10/17	0.82	0.69	NM		NM	
01/16/17	0.83	0.58	NM		NM	
01/23/17	1.03	0.57	NM		NM	
01/24/17	NM	NM	2392.38		2386.87	
01/30/17	0.84	0.48	NM		NM	
02/07/17	0.83	0.49	NM		NM	
02/13/17	0.88	0.59	NM		NM	
02/22/17	1.32	0.79	NM		NM	
03/01/17	1.08	0.69	2392.30		2386.79	
03/06/17	1.04	0.70	NM		NM	
03/13/17	1.52	0.76	2392.31		2386.81	
03/20/17	1.28	0.76	NM		NM	
03/29/17	1.56	0.80	NM		NM	
04/04/17	1.08	0.74	NM		NM	
04/10/17	0.96	0.70	NM		NM	
04/17/17	1.32	0.76	NM		NM	
04/24/17	1.04	0.72	2392.30		2386.83	
05/01/17	0.72	0.74	NM		NM	
05/08/17	0.75	0.62	NM		NM	
05/15/17	0.73	0.50	NM		NM	
05/22/17	0.68	0.64	2392.31		2386.91	

Western Drainage Alluvial Wells

Date	Pumping Rates PBW-01 (gpm)	Pumping Rates PBW-02 (gpm)	Water Levels ¹ PBW-01 (ft amsl)	PBW-01 Notes	Water Levels ¹ PBW-02 (ft amsl)	PBW-02 Notes
05/30/17	0.61	0.54	NM		NM	
06/05/17	0.62	0.52	NM		NM	
06/12/17	0.54	0.52	NM		NM	
06/19/17	0.68	0.59	NM		NM	
06/20/17	NM	NM	2392.34		2386.90	
06/27/17	0.59	0.44	NM		NM	
07/05/17	0.46	0.50	NM		NM	
07/10/17	0.58	0.54	NM		NM	
07/12/17	NM	NM	2392.38		2386.90	
07/17/17	0.52	0.48	NM		NM	
07/25/17	0.48	0.44	NM		NM	
07/31/17	0.52	0.32	NM		NM	
08/07/17	0.62	0.47	NM		NM	
08/14/17	0.30	0.37	NM		NM	
08/15/17	NM	NM	2392.38		2386.91	
08/21/17	0.40	0.37	NM		NM	
08/28/17	0.56	0.32	NM		NM	
09/05/17	0.46	0.44	NM		NM	
09/11/17	0.40	0.35	2392.36		2387.53	
09/19/17	0.64	0.52	NM		NM	
09/25/17	0.43	0.48	NM		NM	
10/02/17	0.45	0.46	NM		NM	
10/04/17	NM	NM	2392.37		2388.87	
10/11/17	0.43	0.52	NM		NM	
10/16/17	0.38	0.42	NM		NM	
10/23/17	0.46	0.62	NM		NM	
10/30/17	0.45	0.45	NM		NM	
11/07/17	0.47	0.43	NM		NM	
11/10/17	NM	NM	2392.36		2386.90	
11/13/17	0.47	0.40	NM		NM	
11/20/17	0.49	0.57	NM		NM	
11/27/17	0.50	0.47	NM		NM	
12/04/17	0.50	0.57	NM		NM	
12/11/17	0.49	0.42	2392.37		2386.93	
12/18/17	0.54	0.44	NM		NM	
12/27/17	0.52	0.44	NM		NM	
01/03/18	0.52	0.32	NM		NM	
01/08/18	0.54	0.40	2392.35		2386.93	
01/15/18	0.57	0.40	NM		NM	
01/21/18	0.60	0.30	NM		NM	
01/28/18	0.68	0.79	NM		NM	
02/04/18	0.7	0.64	NM		NM	
02/11/18	0.67	0.59	NM		NM	
02/18/18	0.6	0.57	NM		NM	
02/19/18	NM	NM	2392.36		2386.73	
02/25/18	0.58	0.54	NM		NM	
03/04/18	0.60	0.65	NM		NM	
03/12/18	0.71	0.67	NM		NM	
03/18/18	0.74	0.60	NM		NM	
03/20/18	NM	NM	2392.37		2386.81	
03/25/18	0.72	0.57	NM		NM	

¹ Pumping criteria water level is four feet above the bottom of the well

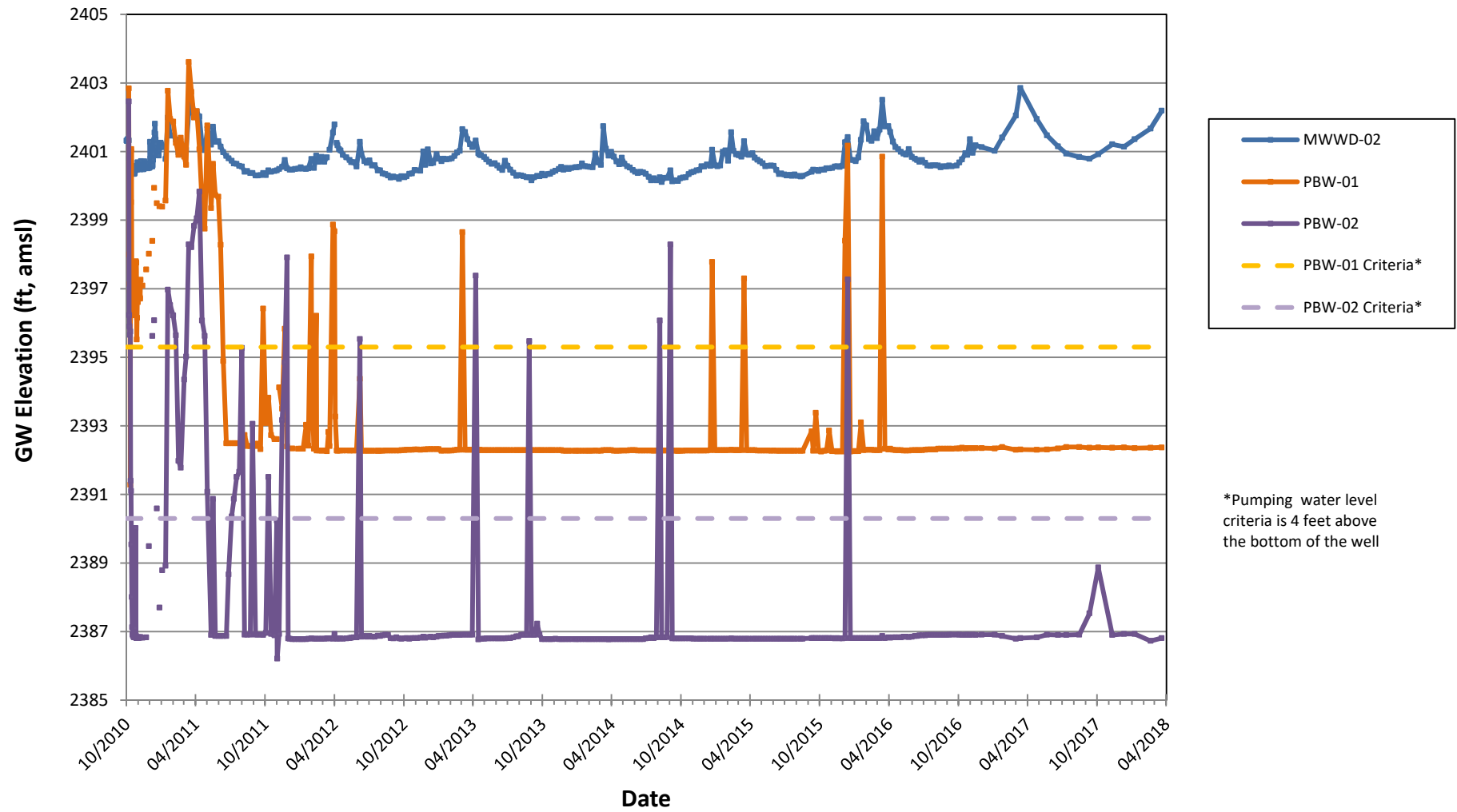
PBW-01 Criteria = 2395.34

PBW-02 Criteria = 2390.25

* Late August/early Sept 2015 measurements not taken due site closure from fire conditions

NM = not measured on that date

Figure 1
Groundwater Elevations at Western Drainage Wells



ATTACHMENT 2

Monthly Weather Summary for Midnite Mine

March 2018

Day of Month	Max Solar Rad (W/m ²)	Wind			Air Temperature			Relative Humidity			Precip. (in)
		Ave. (mph)	Ave Dir.	Max (mph)	Ave. (°F)	Max (°F)	Min (°F)	Ave. (%)	Max (%)	Min (%)	
3/1/2018	124	7.2	82	10.9	32	35	27	97	100	83	0.01
3/2/2018	263	3.6	71	9.7	32	35	28	94	99	82	0.00
3/3/2018	665	3.7	106	7.3	33	46	26	74	94	53	0.00
3/4/2018	573	2.3	176	5.5	32	39	26	77	89	63	0.00
3/5/2018	609	2.6	193	6.9	32	41	25	75	98	56	0.00
3/6/2018	865	3.3	108	8.0	34	43	29	66	83	46	0.00
3/7/2018	652	2.7	149	7.8	36	46	25	64	84	48	0.01
3/8/2018	328	3.9	135	11.2	38	41	33	86	98	60	0.02
3/9/2018	843	5.3	209	12.5	38	47	32	61	92	35	0.00
3/10/2018	637	3.8	97	7.6	38	48	27	50	67	34	0.00
3/11/2018	642	2.5	176	5.6	42	57	29	50	74	32	0.00
3/12/2018	650	4.8	124	10.8	46	58	32	48	74	32	0.00
3/13/2018	630	8.2	60	14.0	51	58	43	38	84	31	0.01
3/14/2018	403	3.6	156	9.2	40	46	36	94	100	70	0.44
3/15/2018	469	2.3	143	6.0	36	42	33	92	100	75	0.01
3/16/2018	756	3.2	123	9.9	40	52	33	69	91	37	0.00
3/17/2018	570	2.7	188	7.0	41	49	34	72	87	52	0.00
3/18/2018	883	4.0	224	12.6	42	50	36	71	94	50	0.00
3/19/2018	744	3.9	137	9.1	40	49	31	62	86	40	0.00
3/20/2018	824	4.1	140	10.5	41	50	34	56	74	37	0.00
3/21/2018	661	5.7	70	11.7	42	49	33	66	85	54	0.01
3/22/2018	322	9.1	116	17.5	42	49	31	84	97	74	0.19
3/23/2018	687	6.6	126	18.3	35	44	28	70	98	43	0.00
3/24/2018	619	2.9	88	10.6	33	41	31	88	99	60	0.03
3/25/2018	800	3.2	206	8.4	36	44	28	65	94	38	0.34
3/26/2018	536	4.7	232	12.5	34	39	26	77	98	63	0.03
3/27/2018	604	6.4	245	15.4	43	56	34	68	91	35	0.00
3/28/2018	801	4.9	246	10.9	45	52	37	46	65	31	0.00
3/29/2018	799	4.9	192	11.8	43	52	33	53	75	35	0.00
3/30/2018	863	6.2	249	13.3	47	57	39	51	76	24	0.00
3/31/2018	759	3.2	217	8.3	42	50	36	37	59	18	0.00
MONTHLY STATISTICS											
Total											1.10
Ave.	632	4.4	154	10.3	39	47	31	68	87	48	
Max	883	9.1	249	18.3	51	58	43	97	100	83	
Min	124	2.3	60	5.5	32	35	25	37	59	18	

Note: Rain gage calibration data of 0.65" of rainfall has been removed from data for 3/29/2018.